

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A platinum alloy comprising:
55 to 63 wt.% of platinum,
2 to 10 wt.% of cobalt, and
27 to 43 wt.% of copper.
2. (Original) A platinum alloy comprising:
70 to 79.5 wt.% of platinum,
2 to 10 wt.% of cobalt, and
10.5 to 28 wt.% of copper.
3. (Currently Amended) The platinum alloy ~~of~~ according to claim 1, wherein said alloy comprises 57.5 to 59.9 wt.% of platinum.
4. (Currently Amended) The platinum alloy ~~of~~ according to claim 1, wherein said alloy comprises 58.5 to 59.0 wt.% of platinum.
5. (Currently Amended) The platinum alloy ~~of~~ according to claim 2, wherein said alloy comprises 72 to 78 wt.% of platinum.

6. (Currently Amended) The platinum alloy ~~of~~ according to claim 2, wherein said alloy comprises 74 to 76 wt.% of platinum.

7. (Currently Amended) The platinum alloy ~~of any one of claims 1 to 6~~ according to claim 1, wherein said alloy comprises 2.0 to 8.0 wt.% of cobalt.

8. (Currently Amended) The platinum alloy ~~of any one of claims 1 to 7~~ according to claim 1, wherein said alloy comprises 3.5 to 5.5 wt.% of cobalt.

9. (Currently Amended) The platinum alloy ~~of any one of claims 1 to 8~~ according to claim 1, wherein said alloy further comprises 0.001 to 2 wt.% of at least one first metal selected from the group consisting of palladium, iridium and ruthenium.

10. (Currently Amended) The platinum alloy ~~of any one of claims 1 to 9~~ according to claim 1, wherein said alloy further comprises a 0.001 to 2 wt.% of at least one second metal selected from the group consisting of indium and gallium.

11. (Currently Amended) The platinum alloy ~~of any one of claims 1, 3, 4 and 7 to 10~~ according to claim 1, consisting essentially of:

57.5 to 59.9 wt.% of platinum,

3.5 to 4.5 wt.% of cobalt, and

35.6 to 39 wt.% of copper,

wherein 0.001 to 2 wt.% of copper may be substituted by at least one first

metal selected from the group consisting of palladium, iridium and ruthenium~~one of said first metals~~ and 0.001 to 2 wt.% of copper may be substituted by at least one second metal selected from the group consisting of indium and gallium~~one of said second metals~~.

12. (Currently Amended) The platinum alloy ~~of any one of claims 1 to 41~~according to claim 1, wherein ~~the a~~ tensile strength of said alloy is between about 450 to 800 N/mm².

13. (Currently Amended) The platinum alloy ~~of any one of claims 1 to 42~~according to claim 1, wherein ~~the a~~ Vickers hardness of said alloy, measured at soft state, is ~~in the range of~~between about 130 to 210 HV10.

14. (Currently Amended) The platinum alloy ~~of any one of claims 1 to 43~~according to claim 1, wherein ~~the an~~ elongation at break of said alloy is at least 20 %.

15. (Currently Amended) The platinum alloy ~~of any one of claims 1 to 44~~according to claim 1, wherein ~~the a~~ color tone of said alloy corresponds essentially to ~~the a~~ platinum white color tone of a PtCu950 alloy.

16. (Currently Amended) A method of preparing ~~an a~~ platinum alloy, comprising the steps of:

providing alloy components, said alloy components comprising: 55 to 63 wt.% of platinum, 2 to 10 wt.% of cobalt, and 27 to 43 wt.% of copper;

~~according to any one of claims 1 to 15, which comprises (a) blending the components of the alloy; and,~~
~~(b) melting the alloy.~~

17. (Currently Amended) A platinum-colored material for ornamental purposes comprising a platinum alloy, said alloy comprising:

55 to 63 wt.% of platinum,

2 to 10 wt.% of cobalt, and

27 to 43 wt.% of copper ~~according to any one of claims 1 to 15.~~

18. (Currently Amended) An ornamental article comprising ~~the~~ a platinum alloy, said alloy comprising:

55 to 63 wt.% of platinum,

2 to 10 wt.% of cobalt, and

27 to 43 wt.% of copper ~~of any one of claims 1 to 15.~~

19. (Currently Amended) The ornamental article ~~of~~ according to claim 18, wherein said ornamental article is selected from the group consisting of a ring, a necklace, an earring, a watch band, and a watch body ~~or other jewelry.~~

20. (Currently Amended) A method of fabricating the ornamental article, comprising the steps of:

~~of claim 18 or 19, which comprises forming the ornamental article from an alloy according to any one of claims 1 to 15~~ providing alloy components, said alloy components comprising 55 to 63 wt.% of platinum, 2 to 10 wt.% of cobalt, and 27 to

43 wt.% of copper;

blending the components of the alloy; and,

melting the alloy.

21. (Currently Amended) The method of according to claim 20, comprising
the further step of casting wherein the alloy is casted the melted alloy into the a
shape of the ornamental article.

22. (Currently Amended) Use of ~~The use of a the~~ platinum alloy according to
~~any one of claims 1 to 15 for the manufacture of claim 1 for manufacturing an~~
ornamental article selected from the group consisting of ~~such as a ring, a necklace,~~
an earring, a watch band, and a watch body ~~or other jewelry.~~

23. (Original) A platinum alloy consisting essentially of 55 to 63 wt.% or 70 to
79.5 wt.% of platinum and one or more non-precious elements.

24. (Original) A platinum alloy consisting essentially of about 58.5 wt.%
platinum and one or more non-precious elements.

25. (Original) A platinum alloy consisting essentially of about 75.0 wt.%
platinum and one or more non-precious elements.

26. (Original) A jewelry product containing a platinum alloy consisting
essentially of platinum in an amount in the range of 55 to 63 wt.% or 70 to 79.5
wt.%, and at least one non-precious element.

27. (New) The platinum alloy according to claim 2, wherein said alloy comprises 2.0 to 8.0 wt.% of cobalt.

28. (New) The platinum alloy according to claim 2, wherein said alloy comprises 3.5 to 5.5 wt.% of cobalt.

29. (New) The platinum alloy according to claim 2, wherein said alloy further comprises 0.001 to 2 wt.% of at least one first metal selected from the group consisting of palladium, iridium and ruthenium.

30. (New) The platinum alloy according to claim 2, wherein said alloy further comprises a 0.001 to 2 wt.% of at least one second metal selected from the group consisting of indium and gallium.

31. (New) The platinum alloy according to claim 2, wherein a Vickers hardness of said alloy, measured at soft state, is between about 130 to 210 HV10.

32. (New) The platinum alloy according to claim 2, wherein an elongation at break of said alloy is at least 20 %.

33. (New) The platinum alloy according to claim 2, wherein a color tone of said alloy corresponds essentially to a platinum white color tone of a PtCu950 alloy.

34. (New) A method of preparing a platinum alloy, comprising the steps of:

providing alloy components, said alloy components comprising: 70 to 79.5 wt.% of platinum, 2 to 10 wt.% of cobalt, and 10.5 to 28 wt.% of copper;
blending the components of the alloy; and,
melting the alloy.

35. (New) A platinum-colored material for ornamental purposes comprising a platinum alloy, said alloy comprising:

70 to 79.5 wt.% of platinum,
2 to 10 wt.% of cobalt, and
10.5 to 28 wt.% of copper.

36. (New) An ornamental article comprising a platinum alloy, said alloy comprising:

70 to 79.5 wt.% of platinum,
2 to 10 wt.% of cobalt, and
10.5 to 28 wt.% of copper.

37. (New) A method of fabricating the ornamental article, comprising the steps of:

providing alloy components, said alloy components comprising 70 to 79.5 wt.% of platinum, 2 to 10 wt.% of cobalt, and 10.5 to 28 wt.% of copper;
blending the components of the alloy; and,
melting the alloy.

38. (New) The method according to claim 20, comprising the further step of

casting the melted alloy into a shape of the ornamental article.

39. (New) Use of the platinum alloy according to claim 2 for manufacturing an ornamental article selected from the group consisting of a ring, a necklace, an earring, a watch band, and a watch body.